Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBR No. 41/20-21 DATED 21-7-2020

EE/ELE/Y/BR.No. 41/20-21 Dt 21-7-2020

No.1st & Final Bill

Date..... 2020

Division: Electricals (Yelahanka) Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :- 0076-18-000132** -

Schedule Docket No. Head of Account : P – Code: **P0303** D.R.No.

Name of Work **:- Maintenance and Repairs to the Yelahanka old town lake Pathway Lightings & speakers in ward no 01&7.**

.Name of Contractor and Full Address : **Sri. Madhusudhan A N (Suraksha Electricals)**

Reference to Agreement No:EE(Proj)Ynk Zone/WO/125/ 2018-19 Date:- 08 / 03 /2019

EE(Proj)Ynk Zone/WO/000088/ 2018-19 Date:- 11 / 08 /2019

Certified that the measurements were taken by me on 15/4/20 and recorded of Pages 2567 to 3770 of measurement Book No. 2568/19-20 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele.)
Sub-Division Officer
BBMP, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	Bill= 7,54,577=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	IT 1% 7546=00 NWL 1% 7546=00 CBFo. 1% 755=00 Sbost 1% 6738=00 Cbost 1% 6738=00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	deductions= 29323=00 Cheque= 7,25,254=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

Stamp

P0303.M&R to pumpsets

ರೂ. 7,54,577=00 ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ. 7,25,254=00 ಪಾವತಿಯಾಗಿದೆ

ರೂ. 29,323=00 ಜಾಗೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧಿಕಾರಿ

ಕಾ.ಮು.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description	Unit
	Name Of Work:- Maintenance and Repairs to the Yelahanka old town lake Pathway Lightings & speakers in ward no 01&7.	
1	Licenced electrician wiremen fitter with tools (Skilled) Rs.13365/Person/Month. Rs.13365*12=1,60,380/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person
2	a).Helper (Electrical) (Semi-Skilled) Rs.11011/Person/Month. Rs.11011*12=132132/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person
3	Supply, installation, testing and commissioning of compact Wall mount speaker with power handling up to 40Watt RMS 0/100volt@ 1456 ohms single channel. selectable taping Specs: Power handling : 15 to 30 watt Frequency response : 80 Hz t0 18khz Spl:	No
4	Supply, installation, testing and commissioning of 12Channel 12mic/line 2-4 Stereo input mixer with built in 3 to 4 band semi parametric eq 2 bus or 4 bus and 2 to 4 aux outs 2 stereo return. Specs: frequency response of 20 htz to 20 kHz with THD o	No
5	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs
6	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	Mtrs
7	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs
8	Supplying and fixing/replacement of Ignitor suitable for 70 to 400Watts SV/MH fittings.	No
9	Supplying and fixing of HPMH lamps on existing fitting mounted on tubular pole Single end 70 to150Watts	No
10	Supply and fixing of ...Watts heavy duty open construction ferromagnetic copper ballast for HPSV/HPMH lamps.150Watts	No
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100-125Amps	No
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE100Amps 25kA.	No
13	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP	No
14	40-63Amps TPN	No
15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.1.5 sqmm	Mtrs
16	4 sqmm	Mtrs

Assistant Executive Engineer (Ele)
BBMP, Bangalore

ious Measurement		Present Measurement			Total Upto Date		Remarks
y	Cost	Qty	Rate	Amount	Qty	Cost	
		12	14428.85	173146.2	12	173146.2	
		12	11887.48	142649.76	12	142649.76	
		10	7438.44	74384.4	10	74384.4	
		1	24183.04	24183.04	1	24183.04	
		197	151.58	29861.26	197	29861.26	
		197	11.66	2297.02	197	2297.02	
		145	84.21	12210.45	145	12210.45	
		15	564.63	8469.45	15	8469.45	
		15	984.6	14769	15	14769	
		15	1926.01	28890.15	15	28890.15	
		3	10704.23	32112.69	3	32112.69	
		3	4365.9	13097.7	3	13097.7	
		9	451.27	4061.43	9	4061.43	
		3	2090.11	6270.33	3	6270.33	
		135	17.17	2317.95	135	2317.95	
		91	39.19	3566.29	91	3566.29	

17	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II. 90 Watts	Nos
18	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	No
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Elec)
BBMP, Bangalore

		5	33737.5	168687.5	5	168687.5	
		3	4534.32	13602.96	3	13602.96	
				754577.58		754577.58	